Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/02/2021 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124543	-1	1.52	124426	1.53
Blue	F	SSC	125000	122965	-2	2.57	123202	2.41
Blue	E	FITC	13131	12654	-4	2.62	289	16.15
Blue	D	PE	24112	23598	-3	2.06	538	11.07
Blue	B	PerCP-Cy5-5	31295	30388	-3	3.33	1007	14.57
Blue	A	PE-Cy7	19939	19609	-2	5.59	519	30.31
Red	C	APC	42122	40908	-3	2.89	1712	11.63
Red	A	APC-Cy7	22340	21441	-5	3.45	800	11.86
Violet	B	V450	7410	6947	-7	3.61	428	12.54
Violet	A	V500	28118	26721	-5	3.11	668	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22910	2.16	570	1	N/A	N/A	Pass
Blue	F	SSC	57356	1.26	522	10	N/A	N/A	Pass
Blue	E	FITC	53	56.10	488	1	0.0382	97	Pass
Blue	D	PE	113	37.53	491	3	0.3810	284	Pass
Blue	B	PerCP-Cy5-5	186	36.49	587	1	0.0201	93	Pass
Blue	A	PE-Cy7	103	70.01	630	2	0.0204	0	Pass
Red	C	APC	397	24.79	580	4	0.0267	214	Pass
Red	A	APC-Cy7	178	27.61	553	2	0.0060	821	Pass
Violet	B	V450	59	63.54	456	3	0.0592	2211	Pass
Violet	A	V500	96	32.58	468	3	0.0262	628	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.25	1.06
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.16	13.60 - 20.40	N/A	N/A	29.67	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12689

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments